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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/691,712	10/22/2003	Shlomo Ovadia	42.P17541	6853
7590 11/14/2006			EXAMINER	
R. Alan Burnett			SEDIGHIAN, REZA	
BLAKELY, SO	KOLOFF, TAYLOR & Z	AFMAN LLP		
Seventh Floor			ART UNIT	PAPER NUMBER
12400 Wilshire Boulevard			2613	

Please find below and/or attached an Office communication concerning this application or proceeding.

			51				
	Application No.	Applicant(s)					
	10/691,712	OVADIA ET AL.					
Office Action Summary	Examiner	Art Unit					
· ·	M. R. Sedighian	2613					
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	orrespondence ad	dress				
A SHORTENED STATUTORY PERIOD FOR REPL' WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication.  If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this co D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 22 O  2a) This action is FINAL.  2b) This  3) Since this application is in condition for alloware closed in accordance with the practice under E	action is non-final.		merits is				
Disposition of Claims							
4) Claim(s) 1-29 is/are pending in the application 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed. 6) Claim(s) 1-3, 13-15, 25-27, 29 is/are rejected. 7) Claim(s) 4-12,16-24 and 28 is/are objected to. 8) Claim(s) are subject to restriction and/o	wn from consideration. r election requirement.						
9) The specification is objected to by the Examine							
10) The drawing(s) filed on <u>22 October 2003</u> is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority document.  2. Certified copies of the priority document.  3. Copies of the certified copies of the priority application from the International Bureau.  * See the attached detailed Office action for a list.	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National	Stage				
Attachment(s)  Notice of References Cited (PTO-892)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date 5/18/05.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite					

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1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 1-3, 13-15, 25-27, and 29 are rejected under 35 U.S.C. 102(e) as being anticipated by Mishra (US Patent Application Publication No: 2002/0186433 A1).

Regarding claim 1, Mishra teaches a method comprising: dynamically discovering an available light path route (page 2, paragraph 0026) comprising a concatenation of a plurality of light path segments connected via respective nodes a long a route spanning from a source edge node to a destination edge node (page 2, paragraphs 0027, 0028 and 100, fig. 1 and 300, fig. 3) and including at least one switching node (page 2, paragraph 0029 and page 3, paragraph 0040 and 214, fig. 2) in an optical switched network (page 2, paragraph 0030); and reserving network resources to enable transmission of data between the source and destination nodes along the light path route during a scheduled time slot (page 4, paragraph 0053 and 600, fig. 6), wherein reservation of network resources causes the at least one switching node and the source and destination edge nodes to be configured so as to form a virtual optical-switched circuit between the source and destination edge nodes during the scheduled time slot (page 4, paragraphs 0052, 0058 and 800, fig. 8).

Regarding claim 2, Mishra teaches the optical switched network comprises a photonic burst switched network (page 2, paragraph 0029 and page 4, paragraph 0051).

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Regarding claim 3, Mishra teaches the optical burst switched network comprises a wavelength-division multiplexed (WDM) PBS network (page 2, paragraph 0027).

Regarding claim 13, Mishra teaches a partial use of a node resource may be reserved (page 4, paragraph 0052).

Regarding claim 14, Mishra teaches the partial use comprises a bandwidth percentage use of a light path segment (page 3, paragraphs 0041, 0042 and pages 4-5, paragraph 0058).

Regarding claims 15 and 27, Mishra teaches a switching node apparatus for use in an optical switched network (200, fig. 2), comprising: optical switch fabric (214, fig. 2) having at least one input fiber port and at least one output fiber port (page 3, paragraph 0036); and a control unit operatively coupled to the optical switch fabric including at least one processor (pages 2-3, paragraphs 0032, 0036) and a first storage device operatively coupled to the processor containing machine-executable instructions (page 5, paragraph 0059) which when executed by the processor perform operations including: generating a routing tree table identifying applicable routes to route data between the switching node apparatus when implemented as a first node in an optical switched network and other nodes in the optical switched network (page 3, paragraph 0037 and 210, fig. 2); maintaining a resource reservation table including reservations of switching node apparatus resources for scheduled time slots (page 3, paragraphs 0038, 0039 and 212, fig. 2); receiving a lightpath resource reservation request from a second node which includes data identifying an address of a destination node and a scheduled time slot for which resources for the switching node apparatus are requested to be reserved for a lightpath traversing a plurality of nodes from a source node to the destination node (page 4. paragraphs 0049, 0050); dynamically determining a third node comprising a next hop node for

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the lightpath based on routing information contained in the routing tree table and resource availability determined from the resource reservation table (page 4, paragraphs 0050, 0052); and forwarding the lightpath resource reservation request to the next hop node (page 4, paragraph 0053 and figs. 3, 5); and reserving network resources corresponding to the lightpath resource reservation request to support routing of data through the switching node apparatus for the scheduled time slot (page 4, paragraph 0053 and fig. 6).

Regarding claim 25, Mishra teaches the processor is network processor (page 2, paragraph 0028 and pages 3-4, paragraph 0046).

Regarding claim 26, Mishra teaches the processor further includes a control processor (page 2, paragraph 0023).

Regarding claim 29, Mishra teaches execution of instructions determines the next hop node by performing operations including: a) selecting a route from the switching apparatus to the destination node (page 4, paragraph 0053 and 602, fig. 6); b) determining if sufficient network resources are available to transmit data between the switching node apparatus and a first hop node in the route that is selected during the scheduled time slot (page 4, paragraph 0053 and 604, fig. 6); c) selecting the first hop node as the next hop node if sufficient network resources are available (page 4, paragraph 0053, lines 7-9 and 606, fig. 6); d) otherwise selecting a new route from the switching apparatus to the destination node (pages 4-5, paragraph 0058); and repeating operations (b) - (d) until it is determined that a first hop node has sufficient network resources available (page 5, paragraph 0058, lines 10-13).

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3. Claims 4-12, 16-24, and 28 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of

the base claim and any intervening claims.

4. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to M. R. Sedighian whose telephone number is (571) 272-3034.

The examiner can normally be reached on M-F (from 9 AM to 5 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Jason Chan can be reached on (571) 272-3022. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

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like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

m. R. Sedishian